

INVESTIGATIVE AND MEDICAL SCIENCES, B.S.

Saint Louis University's investigative and medical sciences (IMS) program meets the needs of students considering any of a wide variety of career paths in the health sciences. It is designed mainly as a pre-professional program for students looking to advance in health care education and is ideal for medicine, physician assistant, dentistry, pharmacy, optometry, or other health-related graduate programs.

- The investigative and medical sciences program focuses on human health and diagnostic studies.
- The investigative and medical sciences program consistently has a low student-faculty ratio which allows for more individualized attention.
- The investigative and medical sciences program provides students opportunities to conduct research with faculty members, to present their research findings at professional conferences, and to have their work published in various journals.

Curriculum Overview

SLU's investigative and medical sciences curriculum provides graduates with the knowledge and skills that will enhance their competitive edge in seeking employment or further their education in professional programs, especially medical school.

This curriculum offers:

- Basic science courses that are required for the Medical College Admission Test (MCAT) and for admission into medical school
- A strong foundation in both basic sciences and medical courses in various areas of diagnostic medicine such as urinalysis and body fluids, medical biochemistry, hematology and hemostasis, fundamental immunology, immunohematology, and medical microbiology
- An excellent option for medical scholars
- A uniquely flexible curriculum which includes ample elective credits that can be used to earn a second major, minor, certificate, or combination to meet the student's professional goals. Pre-medicine, Med Scholar, pre-physician assistant (PA) and PA Scholars curricula are the main options for degree candidates.
- An active student association sponsoring service projects, social events, fundraisers and trips to professional conferences
- Opportunities for research

Fieldwork and Research Opportunities

Students will have the opportunity to conduct research and produce projects and papers for publication and presentation at professional conferences.

Careers

Advantages of the investigative and medical sciences program include a wide range of career paths.

- Professional School and Programs
 - Medical, dental, optometry, physician assistant
 - Veterinary science, public health
 - Federal, state or municipal crime laboratory programs
- Graduate School
 - Pathology, microbiology, pharmacology
 - Physiology, forensic science
- Medical Research
 - National Institutes of Health
 - Centers for Disease Control
 - Pharmaceutical research
 - Universities
- Other Career Options
 - Biotechnology technician
 - Pharmaceutical technical or sales representative

Admission Requirements

Admission consideration for the investigative and medical sciences program is based on a strong overall academic background.

Admission criteria include:

- Minimum GPA of 3.00 on a 4.00 scale in high school chemistry, biology, mathematics and English
- Four years of high school math (with algebra) and English.
- Physics is recommended
- Minimum ACT score of 20 in each subsection or an SAT of 500 or above in each area

Transfer applicants must have at least a 2.50 GPA in math and science coursework and a 2.50 cumulative GPA from an accredited college-level institution. Interested applicants who do not meet all the admission requirements should still apply for individual consideration.

Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:

- Scholarships: awarded based on academic achievement, service, leadership and financial need. In addition to University scholarships, the Doisy College of Health Sciences offers a scholarship to sophomores, juniors and seniors.
- Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For more information, visit the student financial services office online at <http://finaid.slu.edu>.

Learning Outcomes

1. Graduates will be able to demonstrate Jesuit values to promote service in the medical sciences.
2. Graduates will be able to communicate accurate medical sciences content with others.
3. Graduates will be able to critically evaluate data in the medical sciences.

4. Graduates will be able to apply clinical knowledge to interpret medical sciences data to develop a differential diagnosis.
5. Graduates will be able to act with professional integrity.

Requirements

Students in Saint Louis University's investigative and medical sciences major take the following courses.

Code	Title	Credits
Foundation		
BIOL 1240 & BIOL 1245	Principles of Biology I and Principles of Biology I Laboratory	4
BIOL 1260 & BIOL 1265	Principles of Biology II and Principles of Biology II Laboratory	4
BIOL 3020	Biochemistry and Molecular Biology	3
CHEM 1110 & CHEM 1115	General Chemistry 1 and General Chemistry 1 Laboratory	4
CHEM 1120 & CHEM 1125	General Chemistry 2 and General Chemistry 2 Laboratory	4
CHEM 2410 & CHEM 2415	Organic Chemistry 1 and Organic Chemistry 1 Laboratory	4
ENGL 1900	Advanced Strategies Of Rhetoric and Research	3
ENGL 2xxx or above	Literature	3
HCE 2010	Foundations in Clinical Health Care Ethics	3
MATH 1300	Elementary Statistics with Computers	3
MATH 1400	Pre-Calculus	3
PHIL 1050	Introduction to Philosophy: Self and Reality	3
PPY 2540	Human Physiology	4
THEO 1000	Theological Foundations	3
Fine Art (Cultural Studies, Art, Dance, Music, Theater)		3
Social Science (Anthropology, Political Science, Criminal Justice, Sociology, Select Psychology, Urban Politics)		3
PHIL or THEO 2xxx	Philosophy or Theology Elective	3
Biomedical Laboratory Science		
BLS 1100 & BLS 1150	Foundations of Medical Laboratory Science and Foundations of Medical Laboratory Science Lab	3
BLS 3110	Urinalysis & Body Fluids	2
BLS 4110	Medical Biochemistry I	3
BLS 4120	Medical Biochemistry II	2
BLS 4130	Principles & Techniques in Molecular Biology	1
BLS 4210	Hematology	4
BLS 4220	Hemostasis and Thrombosis	2
BLS 4310	Immunohematology	3
BLS 4411	Fundamentals of Immunology	2
BLS 4510	Medical Microbiology	4
BLS 4610	Research Design, Critique & Presentation	3
General Electives		34
Total Credits		120

Pre-Physician Assistant and PA Scholar Track

Code	Title	Credits
Foundation		
ANAT 1000	Basic Human Anatomy	3
BIOL 1240 & BIOL 1245	Principles of Biology I and Principles of Biology I Laboratory	4
BIOL 1260 & BIOL 1265	Principles of Biology II and Principles of Biology II Laboratory	4
BIOL 3020	Biochemistry and Molecular Biology	3
BIOL 3030	Principles of Genetics	3
CHEM 1110 & CHEM 1115	General Chemistry 1 and General Chemistry 1 Laboratory	4
CHEM 1120 & CHEM 1125	General Chemistry 2 and General Chemistry 2 Laboratory	4
CHEM 2410 & CHEM 2415	Organic Chemistry 1 and Organic Chemistry 1 Laboratory	4
CHEM 2420 & CHEM 2425	Organic Chemistry 2 and Organic Chemistry 2 Laboratory	4
ENGL 1900	Advanced Strategies Of Rhetoric and Research	3
ENGL 2xxx or above	Literature	3
HCE 2010	Foundations in Clinical Health Care Ethics	3
HSI 2200	Medical Terminology	3
MATH 1300	Elementary Statistics with Computers	3
MATH 1400	Pre-Calculus	3
PHIL 1050	Introduction to Philosophy: Self and Reality	3
PPY 2540	Human Physiology	4
THEO 1000	Theological Foundations	3
Fine Art (Cultural Studies, Art, Dance, Music, Theater)		3
Social Science (Anthropology, Political Science, Criminal Justice, Sociology, Select Psychology, Urban Politics)		3
PHIL or THEO 2xxx	Philosophy or Theology Elective	3
Biomedical Laboratory Science		
BLS 1100 & BLS 1150	Foundations of Medical Laboratory Science and Foundations of Medical Laboratory Science Lab	3
BLS 3110	Urinalysis & Body Fluids	2
BLS 4110	Medical Biochemistry I	3
BLS 4120	Medical Biochemistry II	2
BLS 4130	Principles & Techniques in Molecular Biology	1
BLS 4210	Hematology	4
BLS 4220	Hemostasis and Thrombosis	2
BLS 4310	Immunohematology	3
BLS 4411	Fundamentals of Immunology	2
BLS 4510	Medical Microbiology	4
BLS 4610	Research Design, Critique & Presentation	3
General Electives		21
Total Credits		120

Pre-Medicine Track

Code	Title	Credits
Foundation		
BIOL 1240 & BIOL 1245	Principles of Biology I and Principles of Biology I Laboratory	4
BIOL 1260 & BIOL 1265	Principles of Biology II and Principles of Biology II Laboratory	4
BIOL 3020	Biochemistry and Molecular Biology	3
BIOL 3040	Cell Structure & Function	3
CHEM 1110 & CHEM 1115	General Chemistry 1 and General Chemistry 1 Laboratory	4
CHEM 1120 & CHEM 1125	General Chemistry 2 and General Chemistry 2 Laboratory	4
CHEM 2410 & CHEM 2415	Organic Chemistry 1 and Organic Chemistry 1 Laboratory	4
CHEM 2420 & CHEM 2425	Organic Chemistry 2 and Organic Chemistry 2 Laboratory	4
ENGL 1900	Advanced Strategies Of Rhetoric and Research	3
ENGL 2xxx or above	Literature	3
HCE 2010	Foundations in Clinical Health Care Ethics	3
MATH 1300	Elementary Statistics with Computers	3
MATH 1400	Pre-Calculus	3
MATH 1510	Calculus I	4
PHIL 1050	Introduction to Philosophy: Self and Reality	3
PHYS 1310	Physics I	3
PHYS 1320	Physics I Laboratory	1
PHYS 1330	Physics II	3
PHYS 1340	Physics II Laboratory	1
PPY 2540	Human Physiology	4
PSY 1010	General Psychology	3
SOC 1100	Introduction to Sociology	3
THEO 1000	Theological Foundations	3
Fine Art (Cultural Studies, Art, Dance, Music, Theater)		3
PHIL or THEO 2xxx	Philosophy or Theology Elective	3
Biomedical Laboratory Science		
BLS 1100 & BLS 1150	Foundations of Medical Laboratory Science and Foundations of Medical Laboratory Science Lab	3
BLS 3110	Urinalysis & Body Fluids	2
BLS 4110	Medical Biochemistry I	3
BLS 4120	Medical Biochemistry II	2
BLS 4130	Principles & Techniques in Molecular Biology	1
BLS 4210	Hematology	4
BLS 4220	Hemostasis and Thrombosis	2
BLS 4310	Immunohematology	3
BLS 4411	Fundamentals of Immunology	2
BLS 4510	Medical Microbiology	4
BLS 4610	Research Design, Critique & Presentation	3
General Electives		12
Total Credits		120

Continuation Standards

Students must maintain a minimum 2.50 grade point average (GPA).

Roadmap

Roadmaps are recommended semester-by-semester plans of study for programs and assume full-time enrollment unless otherwise noted.

Courses and milestones designated as critical (marked with !) must be completed in the semester listed to ensure a timely graduation. Transfer credit may change the roadmap.

This roadmap should not be used in the place of regular academic advising appointments. All students are encouraged to meet with their advisor/mentor each semester. Requirements, course availability and sequencing are subject to change.

Standard Track

Course	Title	Credits
Year One		
Fall		
! BIOL 1240 & BIOL 1245	Principles of Biology I and Principles of Biology I Laboratory	4
! BLS 1100 & BLS 1150	Foundations of Medical Laboratory Science and Foundations of Medical Laboratory Science Lab	3
! CHEM 1110 & CHEM 1115	General Chemistry 1 and General Chemistry 1 Laboratory	4
MATH 1400	Pre-Calculus	3
Credits		14
Spring		
! BIOL 1260 & BIOL 1265	Principles of Biology II and Principles of Biology II Laboratory	4
! CHEM 1120 & CHEM 1125	General Chemistry 2 and General Chemistry 2 Laboratory	4
ENGL 1900	Advanced Strategies Of Rhetoric and Research	3
THEO 1000	Theological Foundations	3
Credits		14
Year Two		
Fall		
BIOL 3020	Biochemistry and Molecular Biology	3
! CHEM 2410 & CHEM 2415	Organic Chemistry 1 and Organic Chemistry 1 Laboratory	4
PPY 2540	Human Physiology	4
AOS XXXX	Area of Specialization	3
Credits		14
Spring		
BLS 3110	Urinalysis & Body Fluids	2
AOS XXXX	Area of Specialization	3
ENGL 2XXX/3XXX	Literature Elective	3
PHIL 1050	Introduction to Philosophy: Self and Reality	3
XXXX	Fine Arts Elective	3
XXXX	Social Science Elective	3
Credits		17

Year Three**Fall**

BLS 4411	Fundamentals of Immunology	2
BLS 4110	Medical Biochemistry I	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
MATH 1300	Elementary Statistics with Computers	3
2XXX/3XXX	Philosophy or Theology Elective	3
	Credits	17

Spring

BLS 4120	Medical Biochemistry II	2
BLS 4130	Principles & Techniques in Molecular Biology	1
BLS 4610	Research Design, Critique & Presentation	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
HCE 2010	Foundations in Clinical Health Care Ethics	3
	Credits	15

Year Four**Fall**

BLS 4210	Hematology	4
BLS 4510	Medical Microbiology	4
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	1
	Credits	15

Spring

BLS 4220	Hemostasis and Thrombosis	2
BLS 4310	Immunoematology	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
	Credits	14
	Total Credits	120

Program Notes**Suggested Elective Options**

- **Literature:** Any 2XXX or 3XXX course which is designated as "Literature" requirement for English.
- **Fine Arts:** any course in: ART, ARTH, DANC, FPA, MUS, THR
- **Social Science:** PSY 1010 General Psychology (3 cr) (recommended for all majors; required for students taking the MCAT), SOC 1100 Introduction to Sociology (3 cr) (required for students taking the MCAT), any course in: ANTH, PSYCH, SOC
- **Philosophy/Theology:** Any 2XXX level or above Philosophy (PHIL) or Theology (THEO) course.

Area of Specialization

The Area of Specialization (AOS) is a series of directed electives designed to guide course selection to better meet career goals such as entrance to professional schools (Medical, Physician Assistant, Pharmacy, Dental, Optometry, Veterinary) or graduate school.

Pre-Physician Assistant Track

Course	Title	Credits
Year One		
Fall		
! BIOL 1240 & BIOL 1245	Principles of Biology I and Principles of Biology I Laboratory	4
! BLS 1100 & BLS 1150	Foundations of Medical Laboratory Science and Foundations of Medical Laboratory Science Lab	3
! CHEM 1110 & CHEM 1115	General Chemistry 1 and General Chemistry 1 Laboratory	4
ENGL 1900	Advanced Strategies Of Rhetoric and Research	3
MATH 1400	Pre-Calculus	3
	Credits	17
Spring		
! BIOL 1260 & BIOL 1265	Principles of Biology II and Principles of Biology II Laboratory	4
! CHEM 1120 & CHEM 1125	General Chemistry 2 and General Chemistry 2 Laboratory	4
HCE 2010	Foundations in Clinical Health Care Ethics	3
THEO 1000	Theological Foundations	3
	Credits	14
Year Two		
Fall		
BIOL 3020	Biochemistry and Molecular Biology	3
! CHEM 2410 & CHEM 2415	Organic Chemistry 1 and Organic Chemistry 1 Laboratory	4
PPY 2540	Human Physiology	4
PHIL 1050	Introduction to Philosophy: Self and Reality	3
	Credits	14
Spring		
ANAT 1000	Basic Human Anatomy	3
BLS 3110	Urinalysis & Body Fluids	2
! CHEM 2420 & CHEM 2425	Organic Chemistry 2 and Organic Chemistry 2 Laboratory	4
XXXX	Fine Arts Elective	3
XXXX	Social Science Elective	3
	Credits	15
Year Three		
Fall		
BIOL 3030	Principles of Genetics	3
BLS 4411	Fundamentals of Immunology	2
BLS 4110	Medical Biochemistry I	3
MATH 1300	Elementary Statistics with Computers	3
ENGL	Literature Elective	3
2XXX/3XXX		
	Credits	14
Spring		
BLS 4120	Medical Biochemistry II	2
BLS 4130	Principles & Techniques in Molecular Biology	1
BLS 4610	Research Design, Critique & Presentation	3

HSI 2200	Medical Terminology	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
	Credits	15
Year Four		
Fall		
BLS 4210	Hematology	4
BLS 4510	Medical Microbiology	4
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
2XXX/3XXX	Philosophy or Theology Elective	3
	Credits	17
Spring		
BLS 4220	Hemostasis and Thrombosis	2
BLS 4310	Immunohematology	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
	Credits	14
	Total Credits	120

Program Notes

Curriculum is designed to address SLU's PA Program requirements and is subject to change. If applying to a PA Program at another institution, please consult their website for specific requirements.

Suggested Elective Options

- **Literature:** Any 2XXX or 3XXX course which is designated as "Literature" requirement for English.
- **Fine Arts:** any course in: ART, ARTH, DANC, FPA, MUS, THR
- **Social Science:** PSY 1010 General Psychology (3 cr) (recommended for all majors; required for students taking the MCAT) SOC 1100 Introduction to Sociology (3 cr) (required for students taking the MCAT), any course in: ANTH, PSYCH, SOC
- **Philosophy/Theology:** Any 2XXX level or above Philosophy (PHIL) or Theology (THEO) course.

Area of Specialization

The Area of Specialization (AOS) is a series of directed electives designed to guide course selection to better meet career goals such as entrance to professional schools (Medical, Physician Assistant, Pharmacy, Dental, Optometry, Veterinary) or graduate school.

Physician Assistant Scholars Track

Course	Title	Credits
Year One		
Fall		
! BIOL 1240 & BIOL 1245	Principles of Biology I and Principles of Biology I Laboratory	4
! BLS 1100 & BLS 1150	Foundations of Medical Laboratory Science and Foundations of Medical Laboratory Science Lab	3
! CHEM 1110 & CHEM 1115	General Chemistry 1 and General Chemistry 1 Laboratory	4
ENGL 1900	Advanced Strategies Of Rhetoric and Research	3

MATH 1400	Pre-Calculus	3
	Credits	17
Spring		
! BIOL 1260 & BIOL 1265	Principles of Biology II and Principles of Biology II Laboratory	4
! CHEM 1120 & CHEM 1125	General Chemistry 2 and General Chemistry 2 Laboratory	4
HCE 2010	Foundations in Clinical Health Care Ethics	3
THEO 1000	Theological Foundations	3
	Credits	14
Year Two		
Fall		
BIOL 3020	Biochemistry and Molecular Biology	3
! CHEM 2410 & CHEM 2415	Organic Chemistry 1 and Organic Chemistry 1 Laboratory	4
PPY 2540	Human Physiology	4
PHIL 1050	Introduction to Philosophy: Self and Reality	3
	Credits	14
Spring		
ANAT 1000	Basic Human Anatomy	3
BLS 3110	Urinalysis & Body Fluids	2
! CHEM 2420 & CHEM 2425	Organic Chemistry 2 and Organic Chemistry 2 Laboratory	4
XXXX	Fine Arts Elective	3
XXXX	Social Science Elective	3
	Credits	15
Year Three		
Fall		
BIOL 3030	Principles of Genetics	3
BLS 4411	Fundamentals of Immunology	2
BLS 4110	Medical Biochemistry I	3
MATH 1300	Elementary Statistics with Computers	3
ENGL 2XXX/3XXX	Literature Elective	3
	Credits	14
Spring		
BLS 4120	Medical Biochemistry II	2
BLS 4130	Principles & Techniques in Molecular Biology	1
BLS 4610	Research Design, Critique & Presentation	3
HSI 2200	Medical Terminology	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
	Credits	15
Year Four		
Fall		
BLS 4210	Hematology	4
BLS 4510	Medical Microbiology	4
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
2XXX/3XXX	Philosophy or Theology Elective	3
	Credits	17

Spring		
BLS 4220	Hemostasis and Thrombosis	2
BLS 4310	Immunohematology	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
Credits		14
Total Credits		120

Program Notes

Upon completion of the bachelor's degree, students will proceed directly into SLU's graduate-level PA program.

Suggested Elective Options

- **Literature:** Any 2XXX or 3XXX course which is designated as "Literature" requirement for English.
- **Fine Arts:** any course in: ART, ARTH, DANC, FPA, MUS, THR
- **Social Science:** PSY 1010 General Psychology (3 cr) (recommended for all majors; required for students taking the MCAT) SOC 1100 Introduction to Sociology (3 cr) (required for students taking the MCAT), any course in: ANTH, PSYCH, SOC
- **Philosophy/Theology:** Any 2XXX level or above Philosophy (PHIL) or Theology (THEO) course.

Area of Specialization

The Area of Specialization (AOS) is a series of directed electives designed to guide course selection to better meet career goals such as entrance to professional schools (Medical, Physician Assistant, Pharmacy, Dental, Optometry, Veterinary) or graduate school.

Pre-Medicine Track

Course	Title	Credits
Year One		
Fall		
! BIOL 1240 & BIOL 1245	Principles of Biology I and Principles of Biology I Laboratory	4
! BLS 1100 & BLS 1150	Foundations of Medical Laboratory Science and Foundations of Medical Laboratory Science Lab	3
! CHEM 1110 & CHEM 1115	General Chemistry 1 and General Chemistry 1 Laboratory	4
ENGL 1900	Advanced Strategies Of Rhetoric and Research	3
MATH 1400	Pre-Calculus	3
Credits		17
Spring		
! BIOL 1260 & BIOL 1265	Principles of Biology II and Principles of Biology II Laboratory	4
! CHEM 1120 & CHEM 1125	General Chemistry 2 and General Chemistry 2 Laboratory	4
MATH 1510	Calculus I	4
THEO 1000	Theological Foundations	3
Credits		15
Year Two		
Fall		
BIOL 3020	Biochemistry and Molecular Biology	3

! CHEM 2410 & CHEM 2415	Organic Chemistry 1 and Organic Chemistry 1 Laboratory	4
PPY 2540	Human Physiology	4
HCE 2010	Foundations in Clinical Health Care Ethics	3
PPHS 1000	Foundations of Medicine (Required for Medical Scholars, Optional for Pre-Medicine)	1
Credits		15

Spring

BIOL 3040	Cell Structure & Function	3
BLS 3110	Urinalysis & Body Fluids	2
! CHEM 2420 & CHEM 2425	Organic Chemistry 2 and Organic Chemistry 2 Laboratory	4
PHIL 1050	Introduction to Philosophy: Self and Reality	3
PSY 1010	General Psychology	3
Credits		15

Year Three

Fall

BLS 4411	Fundamentals of Immunology	2
BLS 4110	Medical Biochemistry I	3
! PHYS 1310 & PHYS 1320	Physics I and Physics I Laboratory	4
MATH 1300	Elementary Statistics with Computers	3
SOC 1100	Introduction to Sociology	3
Credits		15

Spring

BLS 4120	Medical Biochemistry II	2
BLS 4130	Principles & Techniques in Molecular Biology	1
BLS 4610	Research Design, Critique & Presentation	3
! PHYS 1330 & PHYS 1340	Physics II and Physics II Laboratory	4
AOS XXXX	Area of Specialization	3
ENGL 2XXX/3XXX	Literature Elective	3
Credits		16

Year Four

Fall

BLS 4210	Hematology	4
BLS 4510	Medical Microbiology	4
AOS XXXX	Area of Specialization	3
2XXX/3XXX	Philosophy or Theology Elective	3
Credits		14

Spring

BLS 4220	Hemostasis and Thrombosis	2
BLS 4310	Immunohematology	3
AOS XXXX	Area of Specialization	3
AOS XXXX	Area of Specialization	3
XXXX	Fine Arts Elective	3
Credits		14
Total Credits		121

Program Notes

Curriculum is designed to address SLU's Medical School requirements and is subject to change. If applying to a Medical School at another institution, please consult their website for specific requirements.

Suggested Elective Options

- **Literature:** Any 2XXX or 3XXX course which is designated as "Literature" requirement for English.
- **Fine Arts:** any course in: ART, ARTH, DANC, FPA, MUS, THR
- **Social Science:** PSY 1010 General Psychology (3 cr) (recommended for all majors; required for students taking the MCAT), SOC 1100 Introduction to Sociology (3 cr) (required for students taking the MCAT), any course in: ANTH, PSYCH, SOC
- **Philosophy/Theology:** Any 2XXX level or above Philosophy (PHIL) or Theology (THEO) course.

Area of Specialization

The Area of Specialization (AOS) is a series of directed electives designed to guide course selection to better meet career goals such as entrance to professional schools (Medical, Physician Assistant, Pharmacy, Dental, Optometry, Veterinary) or graduate school.